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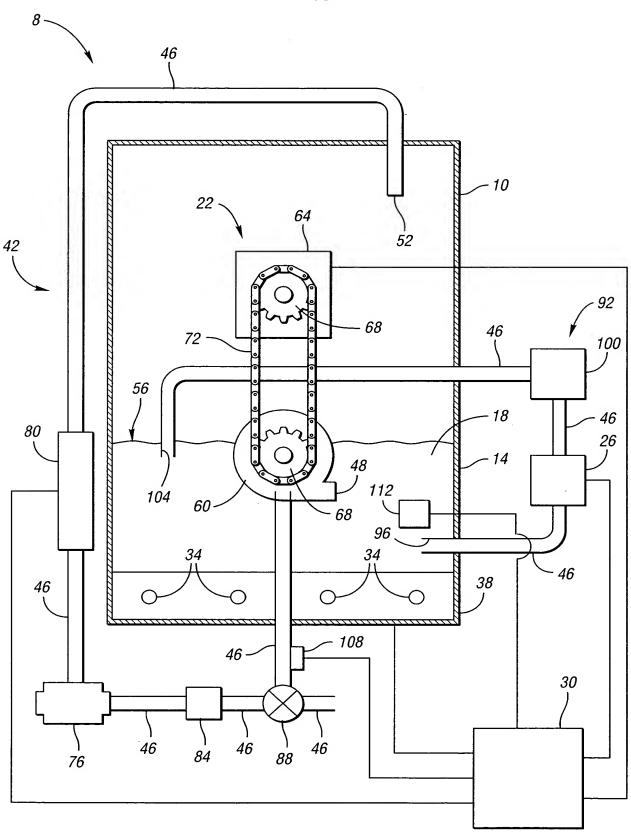
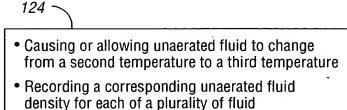


FIG. 1

2/3



temperatures to generate a second set of data

116 -

- Aerating fluid for first predetermined time period
- Recording a corresponding measured fluid density and fluid temperature for each of a plurality of time values to generate a first set of data
- · Maintaining the fluid at a first temperature

120 -

- Allowing the fluid to deaerate for a second predetermined time period
- Recording a corresponding measured fluid density and fluid temperature for each of a plurality of time values to further generate the first set of data
- · Maintaining the fluid at a first temperature

128 -

 Calculating a linear regression of fluid density as a function of temperature using the second set of data

132 -

 Subtracting the corresponding theoretical unaerated fluid density from the corresponding measured fluid density for each of a plurality of time values

*136* -

Determining a rate of air entrainment or disentrainment

 Aerating fluid for third predetermined time period

 Recording a corresponding measured fluid density and fluid temperature for each of a plurality of time values to generate a third set of data

Maintaining the fluid at a fourth temperature

144

- 140

- Allowing the fluid to deaerate for a fourth predetermined time period
- Recording a corresponding measured fluid density and fluid temperature for each of a plurality of time values to further generate the third set of data
- Maintaining the fluid at a fourth temperature

FIG. 2

3/3

